PATENT COOPERATION TREATY

om the TERNATIONAL PRELIMINARY EXAM TO: MICHAEL J. MALLIE BLAKELY, SOKOLOFF, TAYLOI 12400 WILSHIRE BOULEVARD 7TH FLOOR LOS ANGELES CA	R & ZAFMAN LLP	2001	WRITTEN OPINIONOM (PCT Rule 66) STATUS DB-LA
	BLAKELY, SOKOLOFF, CAN	ES CALLED A SAFMAN ES Control of Mailing day/month/year)	0 4 APR 2001
Applicant's or agent's file reference	F	REPLY DUE	within TWO months from the above date of mailing
42390.P6874 9 (4	1 6:1: data (Priority date (day/month/year)
International application No.	International filing date (unyimomisiyoni)	08 JULY 1999
PCT/US00/17664	26 JUNE 2000		00.02.
International Patent Classification (IPC) IPC(7): G06F 9/46 and US Cl.: 709	or both national classifica 9/102 712/245	tion and IPC	
Applicant Intel Corporation			
first	(first sta) di	rawn by this Inter	rnational Preliminary Examining Authority.
1. This written opinion is the first			
2. This opinion contains indications re	lating to the following iter	ms:	
I X Basis of the opinion			
ا ا			:
II Priority III Non-establishment of opinion with regard to novelty, inventive step or industrial applicability			
IV Lack of unity of inv	vention		industrial applicability:
V X Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement			
VI Certain documents	cited		
VII Certain defects in t	he international application	n	
VII Certain defects in the international application VIII Certain observations on the international application			
3. The applicant is hereby invited to	reply to this opinion.		and the magnet this
When? See the time limit indicated above. The applicant may, before the expiration of that the same of			
How? By submitting a written reply, accompanied, where appropriate, by amendments, according to Rule 60.3. For the form and the language of the amendments, see Rules 66.8 and 66.9.			
Also For an additional opportunity to submit amendments, see Rule 66.4. For the examiner's obligation to consider amendments and/or arguments, see Rule 66.4 bis. For an informal communication with the examiner, see Rule 66.6. For an informal communication with the examiner, see Rule 66.6. If no reply is filed, the international preliminary examination report will be established on the basis of this opinion.			
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4. The final date by which the international preliminary examination report must be established according to Rule 69.2 is: 08 NOVEMBER 2001			VEMBER 2001
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WRITTEN OPINION

International application No.	
PCT/US00/17664	

í. Ba	sis of th	ne opinion			
		the elements of the internation	onal application:*		
_	the inte	rnational application as o	riginally filed		
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	the lar	nguage of a translation fun	he international ap	plication (under Rule 48.3	3(b)).
	the lan or 55.3		ished for the purpos	es of international preliminar	y examination (under Rules 55.2 an
3. W	ith regard	d to any nucleotide and/or a the basis of the sequence lis	amino acid sequenc ing:	e disclosed in the internations	al application, the written opinion wa
_	_	ined in the international a		ed form.	
<u></u>	」 contai	ined in the international a	ppiioadon in print	computer readable form	
filed together with the international application in computer readable form.					
furnished subsequently to this Authority in written form.					
F	furnis	shed subsequently to this	Authority in comp	uter readable form.	
	The s	statement that the subsequentational application as filed	ntly furnished writte has been furnished	en sequence listing does no	t go beyond the disclosure in the
	7 The s	statement that the information furnished.	recorded in compu	ter readable form is identical	I to the writen sequence listing has
4.	-	amendments have resulted	l in the cancellation	on of:	
4. [_4	\mathbf{x}		NONE		
		the description, pages			
	븯	the claims, Nos.			
	X	the drawings, sheets/fig	NONE		since they have been considered to a
5. [This bey	opinion has been drawn as i ond the disclosure as filed, as	f (some of) the amer s indicated in the Su	dments had not been made, soplemental Box (Rule 70.2(c)	since they have been considered to g
* 1	Replaceme				tation under Article 14 are referred t

International application No. PCT/US00/17664

	WRITTEN OPIN	(a)(ii) with regard to novelty, inventive step or industrial a g such statement	applicability;
v.	Reasoned statement under Rule 66.26 citations and explanations supporting	g such survey	
1.	tetoment	Claims 31-43 and 50 Claims 1-30 and 44-49	NO YES NO
	Inventive Step (IS)	Claims 31, and 42-43 Claims 1-30, 32-41 and 44-50	YES
	Industrial Applicability (IA)	Claims 1-50 Claims NONE	NO NO
1		Porkenhagen et al. (WO 99/21082).

Claims 1-30 and 44-49 lack novelty under PCT Article 33(2) as being anticipated by Borkenhagen et al. (WO 99/21082). 2. citations and explanations

Borkenhagen et al. taught assigning priority o a first thread for a first duration, determining when the first duration has expired and assigning processing priority to a second thread (page 9, lines 5-25).

Borkenhagen et al. taught setting a priority level (page 19, lines 10-12), using priority bits (page 19, lines 10-12), setting the priority time period, loading a priority counter, keeping track of the duration and checking the elapsed time (page 27 objects).

Claims 32-41 and 50 lack an inventive step under PCT Article 33(3) as being obvious over the prior art as applied in the Claums 32-41 and 30 lack an inventive step under rol Article 33(3) as being boylous over the prior art as applied in the immediately preceding paragraph and further in view of Steere et al. (A Feedback-driven proportion Allocator for Real-Rate 37, claims 8-10).

Borkenhagen et al. did not expressly detail the reprogramming of the duration period, based on the internal measurements of the system progress. Steere et al. taught the implementation and the benefit of based on the internal Scheduling).

Claims 31 and 42-43 the criteria set out in PCT Article 33(2)-(4), because the prior art does not teach or fairly suggest the measurements of the system progress (pages 145 and 156). increasing the first duration a predetermined amount on the conditions of lack of progress the last time the thread had increasing the first duration a predetermined amount on the conditions of tack of progress the last time the thread had processing priority and the processing priority having been switched and the predetermined restart period is set in response to a nuke or reset event .

to a nuke or reset over	
NEW	CITATIONS
NONE	

WRITTEN OPINION

International application No.

PCT/US00/17664

(To be used when the space in any of the preceding boxes is not sufficient)		
Continuation of: Boxes I - VIII	Sheet 10	
TIME LIMIT: The time limit set for response to a Written Opinion may not be extended. 37 CFR 1.484(d). Any response received after the expiration of the time limit set in the Written Opinion will not be considered in preparing the International Preliminary Examination Report.		